

24-port 10/100/1000Base-T + (4) 1G/10G SFP+ Managed PoE+ Switch



Ordering Information

SM24TAT4XA
Managed PoE Switch
(24) 10/100/1000BASE-T
+ (4) 1G/10G SFP slots

Optional Accessories (sold separately)
SFP+ Copper Cable for hardware stacking:

DAC-10G-SFP-01M
10G Direct Attached SFP+ Copper cable, 1m

DAC-10G-SFP-03M
10G Direct Attached SFP+ copper cable, 3m

DAC-10G-SFP-05M
10G Direct Attached SFP+ copper cable, 5m

DAC-10G-SFP-07M
10G Direct Attached SFP+ copper cable, 7m



This SM24TAT4XA is a high performance managed switch with 128 Gbps switching capacity. It provides (24) 10/100/1000 copper ports with IEEE802.3at PoE Plus capability, and it has additional (4) 1G/10G dual speed SFP+ slots to support up to (4) 10G uplinks.

Features

- Supports Jumbo Frame up to 9K bytes
- Authentication – RADIUS 802.1x, TACACS+
- Security - Support SSH/SSL (SSH v1/v2)
- Rate limiting: Ingress policer, egress shaping and rate control; per VLAN, per port and flow based
- DHCP Relay including option 82
- ACL based on source and destination MAC / VLAN ID/ IP address / Protocol / port / DSCP / IP Precedence / TCP/ UDP source and destination ports / 802.1p / Ethernet type / ICMP packets / IGMP packets / TCP flag, supports up to 256 entries
- LLDP (Link Layer Discovery Protocol)
- IEEE802.3az Energy Efficiency
- IP Source Guard, Port Security

Power over Ethernet Features

Compliant with IEEE 802.3at PoE+
Compliant with IEEE 802.3af PoE
802.1AB LLDP-MED Configuration
Power delay and PoE Scheduling
Auto PoE Reset (APR)

Layer 3 Features

Static Routing

Specifications

Standards	IEEE 802.3™, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE 802.1Q, IEEE 802.1v IEEE 802.1p, IEEE 802.1ad, IEEE 802.1AB, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az; IEEE 802.1x
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 DB-9 Console Port 24 10/100/1000 RJ-45 4 1G/10G SFP+ slots
MAC Address	32K MAC address table
Memory Buffer	4Mbits
Back Plane	128 Gbps
Dimensions	Width: 17.40" [442 mm] Depth: 15.15" [385 mm] Height: 1.73" [44 mm]
Input Power	Internal Power: 100 - 240VAC, 50~60Hz Power consumption : 50 Watts maximum (without PoE)
Power over Ethernet	Maximum PoE budget 370 Watts 30 w for 12 ports simultaneously 15.4w for 24 ports simultaneously
Environment	0 to +40°C operating temp. 10%–90% humidity non-condensing -20°C to 70°C Storage Temperature
Shipping Weight	3.7 Kg
Safety	LVD
EMI	FCC Class A; CE
Warranty	Lifetime

Software Features

- Management : Web Management, SNMP V1/V2c/V3, Telnet, CLI
- Port Trunk : Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). Supports up to 14 groups with 8 ports per group.
- IGMP : Supports IGMP Snooping V1/V2/ V3, GVRP, IGMP Proxy, IGMP Querier and MLD snooping V1/V2, supports 1024 multicast groups
- Quality of Service: Supports 8 hardware queues, Strict priority and WRR. Queue assignment based on DSCP and 802.1p CoS, port based; VLAN priority based IPV4/IPV6 precedence/ Type of Service / DiffServ / classification and remarking ACLs, trusted QoS
- Spanning Tree: IEEE 802.1s MSTP, IEEE802.1w RSTP and IEEE802.1d STP Compliant
- VLAN: Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN Edge, Management VLAN, Voice VLANs
- Firmware Update, configure backup/ restore through HTTP/TFTP/Console
- IP V6: Supports IPV4/IPV6 dual protocol stack, SNMP, TFTP, SNMP, Syslog
- Hardware stacking capability with 10G SFP+ cable
- Supports s-Flow
- Storm Control
- Port-Mirroring